

**AMENDMENTS TO THE CLAIMS**

Please cancel claims 9 – 100 as follows:

1. (Original) A broadcast system, comprising:

an LED light source for lighting;

a power line that supplies electric power to the LED light source;

a data modulator that modulates and multiplexes a plurality of pieces of data, superimposes the resulting plurality of pieces of data on an electric power waveform into a plurality of modulated pieces of data, and transmits the plurality of modulated pieces of data via the power line; and

a filter that selectively separates one or more pieces of data out of the plurality of modulated pieces of data on the power line and controls light intensity or blinking of the LED light source; wherein data is transmitted based on changes in light intensity or blinking of the LED light source.

2. (Original) The broadcast system according to Claim 1, wherein the filter has a selector for selecting data.

3. (Original) The broadcast system according to Claim 2, wherein the selector selects data to be transmitted based on changes in light intensity or blinking of the LED light source in conformity with instruction data on the power line.

4. (Original) The broadcast system according to Claim 1, wherein the filter controls light intensity or blinking of the LED light source while a plurality of pieces of data is multiplexed, and selects data by a receiver unit that receives light from the LED light source.

5. (Original) The broadcast system according to Claim 1, wherein the data modulator frequency division multiplexes a plurality of pieces of data, and the filter selects one of a plurality of band pass filters with different frequency bandwidths and separates data.

6. (Original) The broadcast system according to Claim 1, wherein the data modulator time division multiplexes a plurality of pieces of data, adds tag data to the resulting divided data, and transmits the resulting data; and the filter identifies data based on the tag data, and selectively separates data.

7. (Original) An electric bulb, which receives supplied electric power and emits light for lighting, comprising:

an LED light source for lighting; and

a filter that selectively separates one or more of a plurality of pieces of modulated data, which is superimposed on supplied electric power, and controls light intensity or blinking of the LED light source.

8. (Original) The electric bulb according to Claim 7, wherein: the electric power is AC power; the electric bulb comprises an AC-DC converter that converts AC power to DC power; and a data component separated by the filter is superimposed on the DC power, which is provided by the AC-DC converter, and the LED light source is driven by the resulting superimposed DC power.

9.-100. (Canceled)